Jack Miller

List of Publications by Year
in descending order

23	983	471509 17	642732 23
papers	citations	h-index	g-index

23	23	23	722
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Heavy fragment production cross sections from 1.05 GeV/nucleon 56Fe in C, Al, Cu, Pb, and CH2 targets. Physical Review C, 1997, 56, 388-397.	2.9	130
2	Galactic cosmic ray simulation at the NASA Space Radiation Laboratory. Life Sciences in Space Research, 2016, 8, 38-51.	2.3	112
3	Detailed Characterization of the 1087 MeV/nucleon Iron-56 Beam Used for Radiobiology at the Alternating Gradient Synchrotron. Radiation Research, 1998, 149, 560.	1.5	110
4	Polyethylene as a radiation shielding standard in simulated cosmic-ray environments. Nuclear Instruments & Methods in Physics Research B, 2006, 252, 319-332.	1.4	89
5	Measurements of materials shielding properties with 1GeV/nuc 56Fe. Nuclear Instruments & Methods in Physics Research B, 2006, 252, 308-318.	1.4	81
6	Benchmark Studies of the Effectiveness of Structural and Internal Materials as Radiation Shielding for the International Space Station. Radiation Research, 2003, 159, 381-390.	1.5	66
7	Fragmentation cross sections of 28Si at beam energies from to. Nuclear Physics A, 2007, 784, 341-367.	1.5	59
8	Fragmentation cross sections of medium-energy<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi mathvariant="normal">Cl</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>35</mml:mn></mml:mrow></mml:mmultiscripts></mml:math>,<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi mathvariant="normal">Ar</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>40</mml:mn></mml:mrow></mml:mmultiscripts></mml:math>	2.9	38
9	Fragmentation of 1GeV/nucleon iron ions in thick targets relevant for space exploration. Advances in Space Research, 2005, 35, 223-229.	2.6	37
10	Nuclear data for space radiation. Radiation Measurements, 2012, 47, 315-363.	1.4	33
11	The Fragmentation of 510 MeV/Nucleon Iron-56 in Polyethylene. I. Fragment Fluence Spectra. Radiation Research, 1996, 145, 655.	1.5	28
12	The Response of a Spherical Tissue-Equivalent Proportional Counter to Iron Particles from 200â€Šâ€“â€Š1000 MeV/nucleon. Radiation Research, 2002, 157, 350-360.	1.5	26
13	Wall Effects Observed in Tissue-Equivalent Proportional Counters from 1.05 GeV/nucleon Iron-56 Particles. Radiation Research, 1998, 149, 387.	1.5	25
14	The Fragmentation of 510 MeV/Nucleon Iron-56 in Polyethylene. II. Comparisons between Data and a Model. Radiation Research, 1996, 145, 666.	1.5	23
15	GeneLab Database Analyses Suggest Long-Term Impact of Space Radiation on the Cardiovascular System by the Activation of FYN Through Reactive Oxygen Species. International Journal of Molecular Sciences, 2019, 20, 661.	4.1	23
16	Validation of the HZETRN code for laboratory exposures with 1A GeV iron ions in several targets. Advances in Space Research, 2005, 35, 202-207.	2.6	19
17	Shielding experiments with high-energy heavy ions for spaceflight applications. New Journal of Physics, 2008, 10, 075007.	2.9	19
18	NASA GeneLab Project: Bridging Space Radiation Omics with Ground Studies. Radiation Research, 2018, 189, 553-559.	1.5	19

#	Article	IF	Citations
19	HETC-HEDS Code Validation Using Laboratory Beam Energy Loss Spectra Data. IEEE Transactions on Nuclear Science, 2008, 55, 3164-3168.	2.0	18
20	NASA GeneLab Platform Utilized for Biological Response to Space Radiation in Animal Models. Cancers, 2020, 12, 381.	3.7	18
21	Twenty years of space radiation physics at the BNL AGS and NASA Space Radiation Laboratory. Life Sciences in Space Research, 2016, 9, 12-18.	2.3	5
22	Ground-based simulations of galactic cosmic ray fragmentation and transport. Advances in Space Research, 1994, 14, 831-840.	2.6	4
23	â€œMeasurements of the neutron spectrum in transit to Mars on the Mars Science Laboratoryâ€, KÃ¶hler et al.. Life Sciences in Space Research, 2015, 5, A1.	2.3	1